

DESCRIPTIVE ABSTRACT

Facial mounting equipped with a lateral device for diffusion of virtual images towards the pupil of a user.

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A subject of the invention is a device integrated in a pair of spectacles for the diffusion of virtual images into a user's visual field superposed onto his perception of ambient images of the environment in which he finds himself. This device comprises a display unit (108) of virtual images and an optical system comprising a mirror (109) and a terminal lens (110), which comprise virtual image diffusion means (108,109,110), assembled as a prism and attached in a mobile manner laterally to a facial mounting (101) via a chassis (111) which accommodates them in proximity to one another and which is arranged in a dark chamber. These arrangements are such that the virtual images are diffused biased towards the user's pupil from a lateral zone (103) of the mounting (101), optimizing the use of the light intensity of the display unit (108).

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Use for producing a system ensuring the diffusion of virtual images into a user's visual field.

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